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FARM BUYING AND INDUSTRIAL RECOVERY

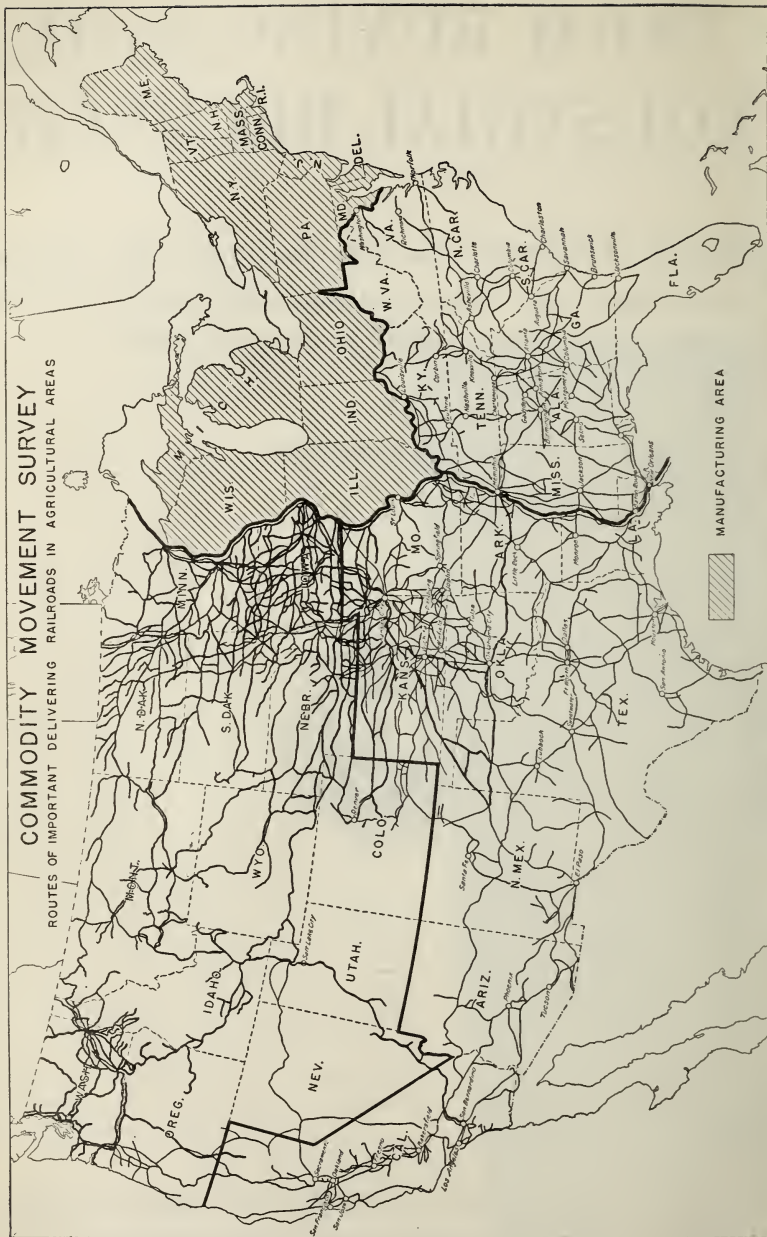
A Survey of Shipments of Manufactured and Industrial
Commodities from Manufacturing Areas to Agricultural
Areas July 1, 1932 to June 30, 1935

Issued August 1936



UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL ADJUSTMENT ADMINISTRATION

COMMODITY MOVEMENT SURVEY ROUTES OF IMPORTANT DELIVERING RAILROADS IN AGRICULTURAL AREAS



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FARM BUYING AND INDUSTRIAL RECOVERY

An increase in farm income during the period 1932-35 was accompanied by an increase in carlot shipments of manufactured commodities from areas dominantly industrial to areas where agriculture contributes an important part of total income.

Farm cash income in 1935 was 58 percent larger than that of 1932. Manufactured commodity shipments by carlots to agricultural areas, in a corresponding period showed an increase of 60.1 percent. The accompanying study was undertaken to determine the extent to which this increase was coupled with an increase in shipments of manufactured commodities into the States where agriculture plays an important role in maintaining purchasing power. This study provides a clue to the part larger farm purchasing power has played in maintaining operations of mills and factories in the industrial regions.

The information presented was developed through a study of more than a half million freight waybills and waybill abstracts in the freight auditors' offices of 16 railroads which handle approximately 75 percent of the traffic in manufactured commodities delivered to the agricultural regions. The study includes only carlot shipments, but these account for more than 95 percent of the total weight of all shipments between the regions studied.

FOUR GROUPS OF COMMODITIES

Commodities studied were divided into four main groups according to their type and nature of their use:

1. Agricultural—commodities used principally in farm production.
2. Domestic and personal—commodities used principally in the home, whether urban or rural.
3. Industrial and commercial—commodities used principally in industrial and commercial activities.
4. General—commodities used generally on farms, in homes and in industry.

In this study the 12-month period ended June 30, 1933, was designated as "Year 1"; the period ended June 30, 1934, as "Year 2"; and the year ended June 30, 1935, as "Year 3."

For purposes of the study the territory east of the Mississippi River and north of the Ohio and Potomac Rivers, comprising 16 States, was taken as the area of origin of the industrial shipments. About 75 percent of the manufacturing of the country is carried on in this area.

The territory west of the Mississippi River and south of the Ohio and Potomac Rivers, comprising 32 States, was taken as the area

of destination of the industrial shipments. About 70 percent of the agricultural cash income of the country is received in this area.

The 16 northern and eastern States are: Connecticut, Delaware, Indiana, Illinois, Maine, Maryland, Massachusetts, Michigan, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, and Wisconsin.

The territory receiving the shipments is divided into three regions, as follows: The Southeast, comprising the States of Alabama, Georgia, Florida, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee, Virginia, and West Virginia; the Southwest, comprising roughly the States of Arizona, Arkansas, California, Kansas, Missouri, New Mexico, Oklahoma, Texas; and the Northwest, comprising roughly the States of Colorado, Idaho, Iowa, Minnesota, Montana, Nevada, North Dakota, South Dakota, Oregon, Washington, and Wyoming.

The railroads delivering shipments studied in the survey are: The Illinois Central; Central of Georgia; Southern; Louisville & Nashville; St. Louis & San Francisco; Missouri Pacific; Atchison, Topeka & Santa Fe; Texas & Pacific; Southern Pacific; Great Northern; Northern Pacific; Union Pacific; Chicago, Milwaukee, St. Paul & Pacific; Chicago, Rock Island & Pacific; Chicago, Burlington & Quincy; and Chicago & North Western.

The shipments originated on more than 125 railroads operating in the North and East.

I. SHIPMENTS BY GROUPS OF COMMODITIES

TABLE 1.—*Total shipments, all groups*

| Group | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|--------------------------------|---|---|---|---|---|---|
| | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Agricultural..... | 247, 261 | 515, 628 | 108. 5 | 655, 806 | 27. 2 | 165. 2 |
| Domestic and personal..... | 636, 211 | 1, 004, 329 | 57. 9 | 1, 264, 409 | 25. 9 | 98. 7 |
| Industrial and commercial..... | 2, 772, 821 | 3, 896, 392 | 40. 5 | 4, 359, 296 | 11. 9 | 57. 2 |
| General..... | 4, 677, 665 | 6, 140, 920 | 31. 3 | 7, 062, 872 | 15. 0 | 51. 0 |
| Total..... | 8, 333, 958 | 11, 557, 269 | 38. 7 | 13, 342, 383 | 15. 4 | 60. 1 |

Manufactured commodities shipped from the 16 industrial States increased 60.1 percent in the 12 months ending June 30, 1935, as compared with the 12 months ending June 30, 1933. For the 12 months ending June 30, 1934, the increase over the previous year was 38.7 percent. During the 12-month period preceding June 30, 1933, before the inauguration of agricultural and other recovery measures, the total weight of carlot shipments of manufactured goods originating in the 16 industrial States and delivered by the same 16 railroads was 8,333,958,000 pounds; for the first 12 months following the inauguration of these measures the tonnage amounted to 11,557,269,000 pounds, a gain of 3,223,311,000 pounds. For the next year the total was 13,342,383,000 pounds, representing a gain of 5,008,425,000 pounds over the year ending June 30, 1933.

TABLE 2.—*Shipments in agricultural group, by commodities*

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|------------------------------------|---|---|---|---|---|---|
| | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Farm implements and machinery..... | 71,837 | 187,403 | 160.9 | 293,995 | 56.9 | 309.3 |
| Tractors and parts..... | 36,490 | 77,119 | 111.3 | 147,005 | 90.6 | 302.9 |
| Other farm production goods: | | | | | | |
| Beehives..... | 264 | 361 | 36.7 | 346 | -4.2 | 31.1 |
| Brooders and incubators..... | 638 | 590 | -7.5 | 749 | 26.9 | 17.4 |
| Fence posts, steel..... | 3,613 | 8,884 | 145.9 | 10,743 | 20.9 | 197.3 |
| Harness and saddlery..... | 2,682 | 4,770 | 77.9 | 1,457 | -69.5 | -45.7 |
| Wagons and wheels..... | 4,864 | 11,699 | 140.5 | 5,749 | -50.9 | 18.2 |
| Wire and fencing..... | 126,873 | 224,802 | 77.2 | 195,762 | -12.9 | 54.3 |
| Total..... | 247,261 | 515,628 | 108.5 | 655,806 | 27.2 | 165.2 |

Shipments in the agricultural group in year 3 showed an increase of 165.2 percent over those in year 1. The increase in year 2 over year 1 was 108.5 percent. Farm implements and machinery increased 160.9 percent in year 2 and jumped to 309.3 percent in year 3 compared with year 1. Tractors and parts gained by 111.3 percent in the second year and 302.9 percent in the third year. Steel fence posts increased from 145.9 percent in year 2 to 197.3 percent in year 3, while wire and fencing increased 77.2 percent in year 2 and 54.3 percent in year 3. The only commodity in this group to show a decrease in year 3 was harness and saddlery, decreasing by 45.7 percent. Shipments of this commodity in year 2, however, had increased 77.9 percent over the first year.

TABLE 3.—*Shipments in domestic and personal group, by commodities*

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|--------------------------------------|---|---|---|---|---|---|
| | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| <i>Furniture</i> | | | | | | |
| Bookcases and desks..... | 228 | 104 | -54.4 | 278 | 167.3 | 21.9 |
| Cabinets and kitchen cabinets..... | 2,052 | 4,992 | 143.3 | 4,099 | -17.9 | 99.8 |
| Chairs..... | 2,024 | 3,006 | 48.5 | 4,328 | 44.0 | 113.8 |
| Electric lamps and fixtures..... | 1,473 | 1,756 | 19.2 | 239 | -86.4 | -83.8 |
| Furniture, mixed..... | 62,758 | 74,249 | 18.3 | 80,946 | 9.0 | 29.0 |
| Radios and parts..... | 6,254 | 6,311 | .9 | 8,978 | 42.3 | 43.6 |
| Refrigerators..... | 26,848 | 48,984 | 82.4 | 96,549 | 97.1 | 259.6 |
| Sewing machines..... | 196 | 518 | 164.3 | 2,823 | 445.0 | 1,340.3 |
| Stoves and heaters..... | 33,534 | 55,555 | 65.7 | 69,980 | 26.0 | 108.7 |
| Tables..... | 532 | 704 | 32.3 | 605 | -14.1 | 13.7 |
| <i>Other household goods</i> | | | | | | |
| Bedding..... | 1,205 | 2,400 | 99.2 | 2,566 | 6.9 | 112.9 |
| Carpets and linoleum..... | 18,549 | 26,963 | 45.4 | 25,991 | -3.6 | 40.1 |
| Cotton piece goods and bathing..... | 12,889 | 12,407 | -3.7 | 14,809 | 19.4 | 14.9 |
| Dishes..... | 1,097 | 2,207 | 101.2 | 1,031 | -53.3 | -6.0 |
| Electrical appliances..... | 3,541 | 3,858 | 9.0 | 7,797 | 102.1 | 120.2 |
| Furnaces..... | 7,166 | 11,241 | 56.9 | 14,029 | 24.8 | 95.8 |
| Lawn mowers..... | 1,689 | 2,511 | 48.7 | 1,529 | -39.1 | -9.5 |
| Matches..... | 14,997 | 27,185 | 81.3 | 26,482 | -2.6 | 76.6 |
| Plumbers' fixtures and fittings..... | 18,652 | 23,085 | 23.8 | 38,256 | 65.7 | 105.1 |

TABLE 3.—*Shipments in domestic and personal group, by commodities*—Continued

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|-------------------------------------|---|---|---|---|---|---|
| <i>Other household goods—Con.</i> | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Shoe polish..... | 674 | 1,434 | 112.8 | 1,406 | -2.0 | 108.6 |
| Woolens..... | 6,315 | 5,709 | -9.6 | 5,591 | -2.1 | -11.5 |
| Clothing..... | 1,187 | 1,225 | 3.2 | 1,513 | 23.5 | 27.5 |
| <i>Prepared foods</i> | | | | | | |
| Cereals..... | 105,278 | 115,229 | 9.5 | 136,235 | 18.2 | 29.4 |
| Cereal beverages..... | 25,637 | 14,724 | -42.6 | 8,847 | -39.9 | -65.5 |
| Confectionery..... | 54,309 | 50,961 | -6.2 | 68,311 | 34.0 | 25.8 |
| Gelatin..... | 108 | 408 | 277.8 | 429 | 5.1 | 297.2 |
| Sauces and extracts..... | 24,636 | 25,401 | 3.1 | 27,030 | 6.4 | 9.7 |
| Spaghetti..... | 768 | 1,228 | 59.9 | 1,171 | -4.6 | 52.5 |
| Tapioca..... | 470 | 373 | -20.6 | 374 | .3 | -20.4 |
| <i>Beverages</i> | | | | | | |
| Beer..... | 144,828 | 368,248 | 154.3 | 453,279 | 23.1 | 213.0 |
| Fruit and vegetable juices..... | 3,596 | 6,492 | 80.5 | 8,486 | 30.7 | 136.0 |
| Liquor..... | 5,415 | 43,503 | 703.4 | 87,853 | 101.9 | 1,522.4 |
| Ginger ale and other beverages..... | 29,471 | 32,460 | 10.1 | 36,439 | 12.3 | 23.6 |
| <i>Sporting goods</i> | | | | | | |
| Arms and ammunition..... | 8,636 | 17,774 | 105.8 | 14,165 | -20.3 | 64.0 |
| Targets..... | 680 | 997 | 46.6 | 1,544 | 54.9 | 127.1 |
| <i>Miscellaneous</i> | | | | | | |
| Toilet preparations..... | 3,661 | 5,130 | 40.1 | 3,089 | -39.8 | -15.6 |
| Toys..... | 3,733 | 3,578 | -4.2 | 5,310 | 48.4 | 42.2 |
| Undertakers' supplies..... | 1,125 | 1,419 | 26.1 | 2,022 | 42.5 | 79.7 |
| Total..... | 636,211 | 1,004,329 | 57.9 | 1,264,409 | 25.9 | 98.7 |

The domestic and personal group as a whole showed a gain of 57.9 percent in year 2 and 98.7 percent in year 3, when compared with year 1. In this group, refrigerators increased 82.4 percent in year 2 and 259.6 percent in year 3. Plumbing fixtures and fittings increased in years 2 and 3 by 23.8 percent and 105.1 percent respectively. Beer shipments increased in year 2 by 154.3 percent and in year 3 by 213 percent, while cereal beverages decreased 42.6 percent and 65.5 percent in the same year. This is probably because near beer was billed under the head of cereal beverages. Shipments of cereals increased 9.5 percent in year 2 and 29.4 percent in year 3. Clothing increased 3.2 percent in the second year and 27.5 percent in the third year, while sewing machines, on the other hand, increased 164.3 percent and 1,340.3 percent in these years. Decreases in year 3 were shown in dishes, lawn mowers, and toilet preparations while in each case the year-2 figures showed a sizeable increase. Commodities showing decreases in both years were woollens, tapioca, and cereal beverages.

TABLE 4.—Shipments in industrial and commercial group, by commodities

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|---|---|---|---|---|---|---|
| | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Steel and iron products..... | 1,027,087 | 1,863,151 | 81.4 | 1,917,281 | 2.9 | 86.7 |
| <i>Industrial machinery and equipment</i> | | | | | | |
| Air filters and blowers..... | 371 | 1,608 | 333.4 | 2,782 | 73.0 | 649.9 |
| Boilers, tubes, and parts..... | 21,761 | 31,973 | 46.9 | 25,310 | -26.8 | 16.3 |
| Cables..... | 5,187 | 9,261 | 78.5 | 12,383 | 33.7 | 138.7 |
| Cotton gins and parts..... | 307 | 285 | -7.2 | 352 | 23.5 | 14.7 |
| Elevators..... | 634 | 1,241 | 95.7 | 586 | -52.8 | -7.6 |
| Engines (gas, steam, etc.).... | 62,596 | 104,839 | 67.5 | 141,342 | 34.8 | 125.8 |
| Machinery: | | | | | | |
| Commercial and indus- trial..... | 123,493 | 190,083 | 53.9 | 159,041 | -16.3 | 28.8 |
| Electrical..... | 20,414 | 34,108 | 67.1 | 38,878 | 14.0 | 90.4 |
| Refrigeration..... | 16,893 | 33,259 | 96.9 | 25,206 | -24.2 | 49.2 |
| Road..... | 14,294 | 21,914 | 53.3 | 36,369 | 66.0 | 154.4 |
| Machinery parts..... | 15,680 | 20,613 | 31.5 | 21,712 | 5.3 | 38.5 |
| Scales and parts..... | 397 | 976 | 145.8 | 2,464 | 152.5 | 520.7 |
| Tools and equipment..... | 6,795 | 11,338 | 66.9 | 21,669 | 91.1 | 218.9 |
| <i>Commercial equipment</i> | | | | | | |
| Baskets, canvas..... | 83 | 105 | 26.5 | 887 | 744.8 | 968.7 |
| Fire apparatus..... | 240 | 328 | 36.7 | 384 | 17.1 | 60.0 |
| Furniture, metal..... | 4,055 | 5,766 | 42.2 | 7,478 | 29.7 | 84.4 |
| Stokers, mechanical..... | 1,443 | 2,489 | 72.5 | 1,266 | -49.1 | -12.3 |
| Store fixtures..... | 855 | 855 | | 810 | -5.3 | -5.3 |
| Switchboards..... | 1,945 | 670 | -65.6 | 1,032 | 54.0 | -46.9 |
| Theater chairs..... | 680 | 735 | 8.1 | 887 | 20.7 | 30.4 |
| <i>Industrial material and supplies</i> | | | | | | |
| Abrasives..... | 228 | 847 | 271.9 | 1,391 | 64.2 | 510.1 |
| Animal hair..... | 192 | 364 | 89.6 | 292 | -19.8 | 52.1 |
| Burlap and bagging..... | 24,156 | 21,786 | -9.8 | 19,684 | -9.6 | -18.5 |
| Bottle caps..... | 3,709 | 4,658 | 25.6 | 3,680 | -21.0 | .8 |
| Cloth..... | 10,861 | 10,843 | - .2 | 10,417 | -3.9 | -4.1 |
| Clothing loops..... | 2,129 | 5,024 | 136.0 | 229 | -95.4 | -89.2 |
| Cork..... | 2,726 | 4,440 | 62.9 | 5,203 | 17.2 | 90.9 |
| Cotton..... | 1,216 | 1,304 | 7.2 | 1,646 | 26.2 | 35.4 |
| Cotton-factory supplies..... | 939 | 1,662 | 77.0 | 276 | -83.4 | -70.6 |
| Felt and carpeting..... | 8,131 | 12,810 | 57.5 | 15,662 | 22.3 | 92.6 |
| Glue and sizing..... | 4,019 | 5,917 | 47.2 | 5,195 | -12.2 | 29.3 |
| Hides and pelts..... | 9,883 | 17,198 | 74.0 | 29,921 | 74.0 | 202.8 |
| Malt and malt sirup..... | 25,048 | 43,443 | 73.4 | 53,284 | 22.7 | 112.7 |
| Oils: | | | | | | |
| Fish and animal..... | 3,357 | 2,911 | -13.3 | 7,116 | 144.5 | 112.0 |
| Vegetable..... | 19,065 | 20,917 | 9.7 | 44,253 | 111.6 | 132.1 |
| Ore..... | 3,027 | 10,564 | 249.0 | 58,892 | 457.5 | 1,845.6 |
| Sponges..... | 508 | 796 | 56.7 | 250 | -68.6 | -50.8 |
| Tallow..... | 2,585 | 3,746 | 44.9 | 5,632 | 50.3 | 117.9 |
| Tanners extracts and oils..... | 3,412 | 3,620 | 6.1 | 2,482 | -31.4 | -27.3 |
| Tobacco..... | 10,671 | 9,771 | -8.4 | 15,206 | 55.6 | 42.5 |
| Waste, sweeping, etc..... | 2,717 | 2,821 | 3.8 | 6,226 | 120.7 | 129.1 |
| Yarn..... | 2,505 | 3,672 | 46.6 | 2,947 | -19.7 | 17.6 |
| <i>Building and construction material</i> | | | | | | |
| Asbestos products..... | 16,620 | 21,581 | 29.8 | 31,821 | 47.4 | 91.5 |
| Asphalt and products..... | 341,164 | 348,559 | 2.2 | 442,965 | 27.1 | 29.8 |
| Bricks..... | 72,104 | 90,139 | 25.0 | 97,112 | 7.7 | 34.7 |
| Building material..... | 66,479 | 75,935 | 14.2 | 93,608 | 23.3 | 40.8 |
| Cement and concrete products | 300,339 | 283,290 | -5.7 | 300,957 | 6.2 | .2 |
| Coal tar, pitch, and products | 37,813 | 34,825 | -7.9 | 55,430 | 59.2 | 46.6 |
| Insulation..... | 9,167 | 11,613 | 26.7 | 18,414 | 58.6 | 100.9 |
| Lumber and products..... | 120,270 | 159,841 | 32.9 | 184,191 | 15.2 | 53.1 |
| Sand..... | 167,174 | 171,594 | 2.6 | 225,867 | 31.6 | 35.1 |
| Shingles..... | 12,014 | 8,955 | -25.5 | 5,712 | -36.2 | -52.5 |
| Stone and products..... | 123,834 | 109,633 | -11.5 | 126,360 | 15.3 | 2.0 |
| <i>Nonferrous metals and products</i> | | | | | | |
| Aluminum and products..... | 5,435 | 10,810 | 98.9 | 9,407 | -13.0 | 73.1 |
| Copper and brass products.... | 17,683 | 26,312 | 48.8 | 39,037 | 48.4 | 120.8 |
| Lead and products..... | 9,230 | 9,513 | 3.1 | 14,882 | 56.4 | 61.2 |
| Zinc and products..... | 7,201 | 9,081 | 26.1 | 5,530 | -39.1 | -23.2 |
| Total..... | 2,772,821 | 3,896,392 | 40.5 | 4,359,296 | 11.9 | 57.2 |

The industrial and commercial group, by far the largest in diversity and weight, increased by 40.5 percent and 57.2 percent in years 2 and 3 over year 1. The weightiest commodity in this group was steel and iron products which showed an increase of 81.4 percent in year 2 and of 86.7 percent in year 3. Agricultural machinery increased 67.1 percent in year 2 and 90.4 percent in year 3. Shipments of road machinery showed gains of 53.3 percent and 154.4 percent in years 2 and 3. Machinery parts increased by 31.5 percent in year 2 and by 38.5 percent in year 3. In line with these increases, tools and equipment showed an increase of 66.9 percent in the second year and 218.9 percent in the third year. In the building and construction section of this group, lumber and products increased 32.9 percent and 53.1 percent, bricks 25 percent and 34.7 percent, and asphalt 2.2 percent and 29.8 percent in years 2 and 3. Shingles, on the other hand, decreased in both years, showing a 25.5 percent decrease in year 2 and a 52.5 percent decrease in year 3. However, asbestos products, including asbestos shingles, increased 29.8 percent and 91.5 percent in the same years.

TABLE 5.—*Shipments in general group, by commodities*

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|--|---|---|---|---|---|---|
| <i>General</i> | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Airplanes and parts..... | 260 | 626 | 140.8 | 259 | -58.6 | -0.4 |
| Alcohol and antifreeze..... | 15,403 | 33,780 | 119.3 | 32,712 | -3.2 | 112.4 |
| Automobiles..... | 220,427 | 525,973 | 138.6 | 705,063 | 34.0 | 219.9 |
| Automobile parts and accessories..... | 641,633 | 930,023 | 44.9 | 1,332,420 | 43.3 | 107.7 |
| Batteries..... | 53,535 | 73,480 | 37.3 | 78,632 | 7.0 | 46.9 |
| Bicycles, motorcycles, and velocipedes..... | 867 | 1,632 | 88.2 | 2,445 | 49.8 | 182.0 |
| Gasoline, oil, and petroleum products..... | 1,457,926 | 1,714,191 | 17.6 | 1,983,795 | 15.7 | 36.1 |
| Trucks..... | 16,872 | 29,353 | 74.0 | 34,491 | 17.5 | 104.4 |
| Fuel: Coke..... | 144,374 | 161,586 | 11.9 | 186,492 | 15.4 | 29.2 |
| <i>Paper and printed matter</i> | | | | | | |
| Magazine, books, and other advertising matter..... | 81,826 | 91,683 | 12.0 | 99,845 | 8.9 | 22.0 |
| Paper and products..... | 566,250 | 683,683 | 20.7 | 713,034 | 4.3 | 25.9 |
| <i>School, church, and hospital goods</i> | | | | | | |
| Hospital supplies..... | 507 | 558 | 10.1 | 325 | -41.8 | -35.9 |
| Organs and equipment..... | 63 | 260 | 312.7 | 459 | 76.5 | 628.6 |
| School furniture and supplies..... | 1,694 | 2,032 | 20.0 | 1,454 | -28.4 | -14.2 |
| <i>General utility supplies and equipment</i> | | | | | | |
| Clay products..... | 47,151 | 52,330 | 11.0 | 93,506 | 78.7 | 98.3 |
| Drugs and chemicals..... | 559,058 | 705,222 | 26.1 | 653,182 | -7.4 | 16.8 |
| Explosives..... | 10,771 | 10,715 | - .5 | 9,465 | -11.7 | -12.1 |
| Glass and glassware..... | 188,358 | 235,424 | 25.0 | 259,275 | 10.1 | 37.7 |
| Ink..... | 3,122 | 2,853 | -8.6 | 3,480 | 22.0 | 11.5 |
| Leather and leather goods..... | 8,326 | 9,945 | 19.4 | 13,471 | 35.5 | 61.8 |
| Millwork and cooperage..... | 49,749 | 66,548 | 33.8 | 67,793 | 1.9 | 36.3 |
| Nails..... | 38,742 | 66,291 | 71.1 | 46,295 | -30.2 | 19.5 |
| Paints and varnishes..... | 48,603 | 68,467 | 40.9 | 91,704 | 33.9 | 88.7 |
| Rubber and products..... | 16,168 | 24,929 | 54.2 | 19,682 | -21.0 | 21.7 |
| Soap..... | 113,983 | 134,710 | 18.2 | 182,064 | 35.2 | 59.7 |
| Tin and products..... | 355,950 | 499,589 | 40.4 | 430,568 | -13.8 | 21.0 |
| Twine and rope..... | 36,047 | 15,037 | -58.3 | 20,961 | 39.4 | -41.9 |
| Total..... | 4,677,665 | 6,140,920 | 31.3 | 7,062,872 | 15.0 | 51.0 |

Shipments of all commodities in the general group increased 31.3 percent and 51 percent in years 2 and 3, respectively, when compared with year 1. In this group automobiles showed a gain of 138.6 percent in year 2 and 219.9 percent in year 3. Automobile parts and accessories increased 44.9 percent and 107.7 percent in these years.

Paper and products increased 20.7 percent in year 2 and 25.9 percent in year 3. Shipments of clay and clay products showed gains of 11 percent and 98.3 percent in years 2 and 3. Millwork and cooperage increased in years 2 and 3 by 33.8 percent and 36.3 percent and paints and varnishes by 40.9 percent and 88.7 percent.

General decreases in both years are shown by twine and rope and explosives while decreases in year 3 were shown only by airplanes and parts, school furniture and supplies, and hospital supplies. Ink decreased 8.6 percent in year 2 but showed an increase of 11.5 percent in year 3.

II. SHIPMENTS CLASSIFIED BY AGRICULTURAL REGIONS OF DESTINATION

SOUTHEAST REGION

TABLE 6.—*Total shipments, by groups of commodities*

| Group | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|--------------------------------|---|---|---|---|---|---|
| | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Agricultural..... | 56, 473 | 99, 278 | 75. 8 | 136, 480 | 37. 5 | 141. 7 |
| Domestic and personal..... | 115, 653 | 182, 309 | 57. 6 | 279, 778 | 53. 5 | 141. 9 |
| Industrial and commercial..... | 821, 431 | 1, 179, 189 | 43. 6 | 1, 604, 107 | 36. 0 | 95. 3 |
| General..... | 1, 100, 499 | 1, 445, 052 | 31. 3 | 2, 121, 363 | 46. 8 | 92. 8 |
| Total..... | 2, 094, 056 | 2, 905, 828 | 38. 8 | 4, 141, 728 | 42. 5 | 97. 8 |

Total shipments of manufactured commodities from the industrial area into the southeastern region over four important railroads, showed a gain over year 1 of 38.8 percent in year 2 and 97.8 percent in year 3. These commodities were delivered by the Southern, Central of Georgia, Louisville & Nashville, and Illinois Central Railroads.

TABLE 7.—*Shipments in agricultural group, by commodities*

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|------------------------------------|---|---|---|---|---|---|
| | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Farm implements and machinery..... | 8, 561 | 26, 006 | 203. 8 | 51, 253 | 97. 1 | 498. 7 |
| Tractors and parts..... | 6, 707 | 9, 008 | 34. 3 | 17, 284 | 91. 9 | 157. 7 |
| Other farm production goods: | | | | | | |
| Beehives..... | 31 | 108 | 248. 4 | 94 | -13. 0 | 203. 2 |
| Brooders and incubators..... | 188 | 63 | -66. 5 | 74 | 17. 5 | -60. 6 |
| Fence posts, steel..... | 182 | 374 | 105. 5 | 1, 180 | 215. 5 | 548. 4 |
| Harness and saddlery..... | 1, 192 | 2, 521 | 111. 5 | 556 | -78. 0 | -53. 4 |
| Wagons and wheels..... | 2, 074 | 4, 755 | 129. 3 | 2, 210 | -53. 3 | 6. 6 |
| Wire and fencing..... | 37, 538 | 56, 443 | 50. 4 | 63, 829 | 13. 1 | 70. 0 |
| Total..... | 56, 473 | 99, 278 | 75. 8 | 136, 480 | 37. 5 | 141. 7 |

In the agricultural group, farm implements and machinery showed the largest increase, with gains in years 2 and 3 of 203.8 percent and 498.7 percent, respectively, over year 1. Steel fence posts jumped from a 105.5-percent increase in year 2 to a 548.4-percent increase in year 3. Wire and fencing increased 50.4 percent in the second year and 70 percent in year 3. Tractors and parts showed a gain of 34.3 percent in year 2, and 157.7 percent in year 3.

The only decrease for both years in this group was in brooders and incubators, with a decrease of 66.5 percent in year 2 and 60.6 percent in year 3. The year 3 increase over year 2 was 17.5 percent.

TABLE 8.—*Shipments in domestic and personal group, by commodities*

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|---|---|---|---|---|---|---|
| <i>Furniture</i> | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Bookcases and desks..... | 31 | 56 | 80.6 | 229 | 308.9 | 638.7 |
| Cabinets and kitchen cabi- nets..... | 854 | 1,923 | 125.2 | 1,788 | -7.0 | 109.4 |
| Chairs..... | 321 | 709 | 120.9 | 1,517 | 114.0 | 372.6 |
| Electric lamps and fixtures..... | 463 | 858 | 85.3 | | | |
| Furniture, mixed..... | 8,684 | 11,483 | 32.2 | 15,683 | 36.6 | 80.6 |
| Radios and parts..... | 319 | 540 | 69.3 | 915 | 69.4 | 186.8 |
| Refrigerators..... | 4,629 | 11,512 | 148.7 | 28,583 | 148.3 | 517.5 |
| Sewing machines..... | 77 | 216 | 180.5 | 1,704 | 688.9 | 2,113.0 |
| Stoves and heaters..... | 6,251 | 11,482 | 83.7 | 16,928 | 47.4 | 170.8 |
| Tables..... | 24 | 267 | 1,012.5 | 258 | -3.4 | 975.0 |
| <i>Other household goods</i> | | | | | | |
| Bedding..... | 361 | 856 | 137.1 | 443 | -48.3 | 22.7 |
| Carpets and linoleum..... | 4,424 | 6,611 | 49.4 | 7,306 | 10.5 | 65.1 |
| Cotton piece goods and bat- ting..... | 5,047 | 5,476 | 8.5 | 5,311 | -3.0 | 5.2 |
| Dishes..... | 204 | 284 | 39.2 | 157 | -44.7 | -23.0 |
| Electrical appliances..... | 578 | 729 | 26.1 | 2,754 | 277.8 | 376.5 |
| Furnaces..... | 816 | 2,101 | 157.5 | 3,493 | 66.3 | 328.1 |
| Lawn mowers..... | 252 | 543 | 115.5 | 554 | 2.0 | 119.8 |
| Matches..... | 3,910 | 7,973 | 103.9 | 9,704 | 21.7 | 148.2 |
| Plumbers' fixtures and fit- tings..... | 3,757 | 4,860 | 29.4 | 11,086 | 128.1 | 195.1 |
| Shoe polish..... | 51 | 545 | 968.6 | 189 | -65.3 | 270.6 |
| Woolens..... | 5,291 | 4,782 | -9.6 | 4,663 | -2.5 | -11.9 |
| Clothing..... | 376 | 690 | 83.5 | 590 | -14.5 | 56.9 |
| <i>Prepared foods</i> | | | | | | |
| Cereals..... | 20,726 | 22,803 | 10.0 | 32,435 | 42.2 | 56.5 |
| Cereal beverages..... | 3,500 | 3,084 | -11.9 | 5,019 | 62.7 | 43.4 |
| Confectionery..... | 4,778 | 4,492 | -6.0 | 5,653 | 25.8 | 18.3 |
| Gelatin..... | 12 | 253 | 2,008.3 | 168 | -33.6 | 1,300.0 |
| Sauces and extracts..... | 12,059 | 13,501 | 12.0 | 12,539 | -7.1 | 4.0 |
| Spaghetti..... | 257 | 315 | 22.6 | 77 | -75.6 | -70.0 |
| Tapioca..... | 56 | 119 | 112.5 | 210 | 76.5 | 275.0 |
| <i>Beverages</i> | | | | | | |
| Beer..... | 14,665 | 34,417 | 134.7 | 63,836 | 85.5 | 335.3 |
| Fruit and vegetable juices..... | 1,735 | 2,851 | 64.3 | 3,889 | 36.4 | 124.1 |
| Ginger ale and other bever- ages..... | 3,243 | 6,559 | 102.3 | 13,602 | 107.4 | 319.4 |
| Liquor..... | 2,963 | 10,199 | 244.2 | 18,770 | 84.0 | 533.5 |
| <i>Sporting goods</i> | | | | | | |
| Arms and ammunition..... | 3,216 | 6,238 | 94.0 | 6,068 | -2.7 | 88.7 |
| Targets..... | 64 | 226 | 253.1 | 457 | 102.2 | 614.1 |
| <i>Miscellaneous</i> | | | | | | |
| Toilet preparations..... | 1,177 | 1,845 | 56.8 | 1,093 | -40.8 | -7.1 |
| Toys..... | 426 | 663 | 55.6 | 1,965 | 196.4 | 361.3 |
| Undertakers' supplies..... | 56 | 248 | 342.9 | 142 | -42.8 | 153.6 |
| Total..... | 115,653 | 182,309 | 57.6 | 279,778 | 53.5 | 141.9 |

Commodities in the domestic and personal group shipped to the southeast region showed an increase over year 1 of 57.6 percent in year 2 and 141.9 percent in year 3.

Sewing machines, in this group, increased 180.5 percent in year 2 and 2,113 percent in year 3. Electrical appliances also indicated a large year 3 gain with an increase of 376.5 percent. The year 2 increase was 26.1 percent.

Plumbers' fixtures and fittings increased in year 2 by 29.4 percent and in year 3 by 195.1 percent. Toys showed an increase of 55.6 percent in year 2 and 361.3 percent in year 3.

TABLE 9.—*Shipments in industrial and commercial group, by commodities*

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|---|---|---|---|---|---|---|
| | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Steel and iron products..... | 195, 359 | 416, 137 | 113. 0 | 456, 603 | 9. 7 | 133. 7 |
| <i>Industrial machinery and equipment</i> | | | | | | |
| Air filters and blowers..... | 108 | 324 | 200. 0 | 692 | 113. 6 | 540. 7 |
| Boilers, tubes, and parts..... | 4, 693 | 10, 002 | 113. 1 | 7, 565 | —24. 4 | 61. 2 |
| Cables..... | 1, 462 | 3, 178 | 117. 4 | 2, 805 | —11. 7 | 91. 9 |
| Cotton gins and parts..... | 217 | 221 | 1. 8 | 174 | —21. 3 | 19. 8 |
| Elevators..... | 50 | 508 | 916. 0 | 278 | —45. 3 | 456. 0 |
| Engines (gas, steam, etc.).... | 9, 921 | 15, 151 | 52. 7 | 58, 328 | 285. 0 | 487. 9 |
| Machinery: | | | | | | |
| Commercial and indus- trial..... | 58, 995 | 90, 647 | 53. 7 | 70, 642 | —22. 1 | 19. 7 |
| Electrical..... | 1, 810 | 5, 251 | 190. 1 | 7, 422 | 41. 4 | 310. 1 |
| Refrigeration..... | 4, 773 | 9, 595 | 101. 0 | 7, 836 | —18. 3 | 64. 2 |
| Road..... | 3, 654 | 4, 816 | 31. 8 | 9, 418 | 95. 6 | 157. 7 |
| Parts..... | 2, 739 | 5, 314 | 94. 0 | 6, 446 | 21. 3 | 135. 3 |
| Scales and parts..... | 139 | 365 | 162. 6 | 598 | 63. 8 | 330. 2 |
| Tools and equipment..... | 1, 796 | 3, 708 | 106. 5 | 4, 627 | 24. 8 | 157. 6 |
| <i>Commercial equipment</i> | | | | | | |
| Baskets, canvas..... | 73 | 40 | —45. 2 | 845 | 2, 012. 5 | 1, 057. 5 |
| Fire apparatus..... | 42 | 65 | 54. 8 | 132 | 103. 1 | 214. 3 |
| Furniture, metal..... | 514 | 1, 179 | 129. 4 | 1, 857 | 57. 5 | 261. 3 |
| Stokers, mechanical..... | 391 | 1, 256 | 221. 2 | 465 | —65. 0 | 18. 9 |
| Store fixtures..... | 87 | 127 | 50. 0 | 152 | 19. 7 | 74. 7 |
| Switchboards..... | | 146 | | 127 | —13. 0 | |
| Theater chairs..... | 123 | 168 | 36. 6 | 298 | 77. 4 | 142. 3 |
| <i>Industrial material and supplies</i> | | | | | | |
| Abrasives..... | | 57 | | 423 | 642. 1 | |
| Animal hair..... | 133 | 267 | 100. 8 | 143 | —46. 5 | 7. 5 |
| Burlap and bagging..... | 8, 028 | 6, 666 | —17. 0 | 8, 881 | 33. 2 | 10. 6 |
| Bottle caps..... | 1, 183 | 1, 091 | —7. 8 | 1, 570 | 43. 9 | 32. 7 |
| Cloth..... | 6, 902 | 6, 022 | —12. 7 | 5, 940 | —1. 4 | —13. 9 |
| Clothing loops..... | 1, 162 | 4, 361 | 275. 3 | 96 | —97. 8 | —91. 7 |
| Cork..... | 870 | 1, 408 | 61. 8 | 1, 420 | 0. 9 | 63. 2 |
| Cotton..... | 483 | 1, 196 | 147. 6 | 1, 174 | —1. 8 | 143. 1 |
| Cotton factory supplies..... | 161 | 357 | 121. 7 | 143 | —60. 0 | —11. 2 |
| Felt and carpeting..... | 1, 996 | 3, 689 | 84. 8 | 4, 821 | 30. 7 | 141. 5 |
| Glue and sizing..... | 1, 914 | 2, 033 | 6. 2 | 2, 225 | 9. 4 | 16. 2 |
| Hides and pelts..... | 8, 943 | 16, 629 | 85. 9 | 29, 343 | 76. 5 | 228. 1 |
| Malt and malt syrup..... | 4, 637 | 9, 708 | 109. 4 | 19, 815 | 104. 1 | 327. 3 |
| Oils: | | | | | | |
| Fish and animal..... | 425 | 912 | 114. 6 | 1, 707 | 87. 2 | 301. 6 |
| Vegetable..... | 2, 881 | 4, 833 | 67. 8 | 21, 781 | 350. 7 | 656. 0 |
| Ore..... | 1, 140 | 5, 990 | 425. 4 | 48, 455 | 709. 0 | 4, 150. 4 |
| Sponges..... | 385 | 651 | 69. 1 | 179 | —72. 5 | —53. 5 |
| Tallow..... | 778 | 1, 451 | 86. 5 | 4, 373 | 201. 4 | 462. 1 |
| Tanners extracts and oils..... | 3, 056 | 3, 135 | 2. 6 | 1, 593 | —49. 2 | —47. 9 |
| Tobacco..... | 3, 611 | 5, 237 | 45. 0 | 8, 701 | 66. 1 | 141. 2 |
| Waste, sweeping, etc..... | 1, 446 | 1, 689 | 16. 8 | 4, 607 | 172. 8 | 218. 6 |
| Yarn..... | 1, 462 | 2, 299 | 57. 3 | 2, 162 | —6. 0 | 47. 9 |

TABLE 9.—*Shipments in industrial and commercial group, by commodities—Con.*

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|---|---|---|---|---|---|---|
| <i>Building and construction material</i> | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Asbestos products..... | 2,688 | 4,261 | 58.5 | 11,395 | 167.4 | 323.9 |
| Asphalt products..... | 115,605 | 139,264 | 20.5 | 211,884 | 52.1 | 83.3 |
| Bricks..... | 14,613 | 25,138 | 72.0 | 35,934 | 42.9 | 145.9 |
| Building material..... | 32,074 | 44,000 | 37.2 | 58,828 | 33.7 | 83.4 |
| Cement and concrete products..... | 169,983 | 159,183 | -6.4 | 203,216 | 27.7 | 19.6 |
| Coal tar, pitch, and products..... | 20,357 | 14,328 | -29.7 | 23,977 | 67.3 | 17.7 |
| Insulation..... | 1,304 | 2,622 | 101.1 | 6,487 | 147.4 | 397.5 |
| Lumber and products..... | 21,120 | 24,984 | 18.3 | 50,589 | 102.5 | 139.5 |
| Sand..... | 55,689 | 66,026 | 18.6 | 122,747 | 85.9 | 120.4 |
| Shingles..... | 7,726 | 4,098 | -47.0 | 676 | -83.5 | -91.3 |
| Stone and products..... | 28,405 | 30,202 | 6.3 | 47,346 | 56.8 | 66.7 |
| <i>Nonferrous metals and products</i> | | | | | | |
| Aluminum and products..... | 1,126 | 1,023 | -9.2 | 1,856 | 81.4 | 64.8 |
| Copper and brass products..... | 5,840 | 8,731 | 49.5 | 15,194 | 74.0 | 160.2 |
| Lead and products..... | 5,603 | 4,710 | -15.9 | 4,849 | 3.0 | -13.5 |
| Zinc and products..... | 726 | 2,740 | 277.4 | 2,267 | -17.3 | 212.3 |
| Total..... | 821,431 | 1,179,189 | 43.6 | 1,604,107 | 36.0 | 95.3 |

Shipments of steel and iron products to the southeast region showed gains of 113 percent in year 2 and 133.7 percent in year 3, as compared with those of year 1. Electrical machinery made a 190.1 percent gain in year 2 and a 310.1 percent gain in year 3; while industrial and commercial machinery dropped from a 53.7 percent gain in year 2 to a 19.7 percent increase in year 3. Machinery parts gained 94 percent in year 2 and 135.3 percent in year 3. Road machinery jumped from 31.8 percent in year 2 to 157.7 percent in year 3.

Asbestos products showed a year 2 gain over year 1 of 58.5 percent, and the year 3 gain was 323.9 percent over year 1. Miscellaneous building materials increased 37.2 percent in year 2 and 84.4 percent in year 3.

The commodities in this group showing general decreases in both years were cloth, shingles, and lead and its products.

TABLE 10.—*Shipments in general group, by commodities*

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|---|---|---|---|---|---|---|
| <i>General</i> | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Airplanes and parts..... | 32 | 184 | 475.0 | 26 | -85.9 | -18.8 |
| Alcohol and antifreeze..... | 2,537 | 5,764 | 127.2 | 6,011 | 6.3 | 136.9 |
| Automobiles..... | 38,641 | 87,149 | 125.5 | 145,582 | 67.0 | 276.8 |
| Automobile parts and acces- sories..... | 228,676 | 348,524 | 52.4 | 434,429 | 24.6 | 90.0 |
| Batteries..... | 11,877 | 19,602 | 65.0 | 23,369 | 19.2 | 96.8 |
| Bicycles, motorcycles, and velocipedes..... | 210 | 432 | 105.7 | 1,040 | 140.7 | 395.2 |
| Gasoline, oil, and petroleum products..... | 334,771 | 346,846 | 3.5 | 564,680 | 63.1 | 68.8 |
| Trucks..... | 5,536 | 6,041 | 9.1 | 8,406 | 39.1 | 51.8 |
| Fuel: Coke..... | 14,606 | 16,087 | 10.1 | 21,898 | 36.1 | 49.9 |
| <i>Paper and printed matter</i> | | | | | | |
| Magazines, books, and other advertising materials..... | 4,211 | 5,678 | 34.8 | 8,504 | 49.8 | 101.9 |
| Paper and products..... | 134,521 | 178,601 | 32.8 | 234,865 | 31.5 | 74.6 |
| <i>School, church, and hospital goods</i> | | | | | | |
| Organs and equipment..... | | 196 | | 298 | 52.0 | |
| Hospital supplies..... | 41 | 20 | -51.2 | 149 | 645.0 | 263.4 |
| School furniture and supplies..... | 521 | 600 | 15.2 | 278 | -53.7 | -46.7 |
| <i>General utility supplies and equipment</i> | | | | | | |
| Clay products..... | 13,478 | 17,527 | 30.0 | 50,687 | 189.2 | 276.1 |
| Drugs and chemicals..... | 115,575 | 144,425 | 25.0 | 233,253 | 61.5 | 101.8 |
| Explosives..... | 3,427 | 3,703 | 8.1 | 3,178 | -14.2 | -7.3 |
| Glass and glassware..... | 51,906 | 84,809 | 63.4 | 114,953 | 35.5 | 121.5 |
| Ink..... | 1,028 | 1,195 | 16.2 | 1,655 | 38.5 | 61.0 |
| Leather and leather goods..... | 3,119 | 5,301 | 70.0 | 8,500 | 62.0 | 175.4 |
| Millwork and cooperage..... | 11,776 | 15,560 | 32.1 | 24,580 | 58.0 | 108.7 |
| Nails..... | 13,336 | 24,506 | 83.8 | 18,276 | -25.4 | 37.4 |
| Paints and varnishes..... | 9,704 | 11,033 | 13.7 | 28,828 | 161.3 | 197.1 |
| Rubber and products..... | 1,085 | 3,022 | 178.5 | 5,769 | 90.9 | 431.7 |
| Soap..... | 62,279 | 72,339 | 16.2 | 114,474 | 58.2 | 83.8 |
| Tin and products..... | 35,388 | 43,993 | 24.3 | 65,132 | 48.1 | 84.1 |
| Twine and rope..... | 2,219 | 1,915 | -13.7 | 2,453 | 28.1 | 10.5 |
| Total..... | 1,100,500 | 1,445,052 | 31.3 | 2,121,363 | 46.8 | 92.8 |

In the general group, automobiles showed a gain over year 1 of 125.5 percent in year 2 and 276.8 percent in year 3, while parts and accessories gained 52.4 percent in year 2 and 90.0 percent in year 3. Trucks increasing only 9.1 percent in the second year showed an increase of 51.8 percent in the third year.

Magazines, books and advertising materials increased 34.8 percent in year 2 and 101.9 percent in year 3. Drugs and chemicals showed sizeable gains in both years with increases of 25.0 percent and 101.8 percent, respectively. Paints and varnishes gained from a 13.7 percent increase in year 2 to a 197.1 percent increase in year 3.

There were no general decreases in both years in this group. However, year 3 decreases were shown in airplanes and parts, explosives, and school furniture and supplies; while year 2 decreases were shown only in hospital supplies and twine and rope.

SOUTHWEST REGION

TABLE 11.—*Total shipments by groups of commodities*

| Group | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|--------------------------------|---|---|---|---|---|---|
| | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Agricultural..... | 61,694 | 132,060 | 114.1 | 162,948 | 23.4 | 164.1 |
| Domestic and personal..... | 183,482 | 287,924 | 56.9 | 340,174 | 18.1 | 85.4 |
| Industrial and commercial..... | 760,000 | 988,338 | 30.0 | 1,002,963 | 1.5 | 32.0 |
| General..... | 1,387,619 | 1,877,522 | 35.3 | 1,944,829 | 3.6 | 40.2 |
| Total..... | 2,392,795 | 3,285,844 | 37.3 | 3,450,914 | 5.0 | 44.2 |

Shipments of all industrial commodities to the southwest region increased in year 2 by 37.3 percent. The increase in year 3 was 44.2 percent. The agricultural group showed an increase of 114.1 percent and 164.1 percent in years 2 and 3, respectively. The group showing the smallest gain was the industrial and commercial group with increases of 30 and 32 percent in these years.

The domestic and personal group showed increases of 56.9 percent in year 2 and 85.4 percent in year 3, while the general group gained from an increase 35.3 percent in year 2 to a 40.2 percent gain in the third year.

The railroads delivering commodities into this region were the Atchison, Topeka & Santa Fe; the Missouri Pacific; the St. Louis & San Francisco; the Southern Pacific; and the Texas & Pacific.

TABLE 12.—*Shipments in agricultural group, by commodities*

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|------------------------------------|---|---|---|---|---|---|
| | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Farm implements and machinery..... | 16,869 | 40,878 | 142.3 | 70,178 | 71.7 | 316.0 |
| Tractors and parts..... | 15,017 | 29,583 | 97.0 | 48,835 | 65.1 | 225.2 |
| Other farm production goods: | | | | | | |
| Beehives..... | 54 | 64 | 18.5 | 91 | 42.2 | 68.5 |
| Brooders and incubators..... | 130 | 52 | -60.0 | 112 | 115.4 | -13.8 |
| Fence posts, steel..... | 302 | 1,216 | 302.6 | 480 | -60.5 | 58.9 |
| Harness and saddlery..... | 591 | 765 | 29.4 | 279 | -63.5 | -52.8 |
| Wagons and wheels..... | 1,400 | 3,890 | 177.9 | 1,507 | -61.3 | 7.6 |
| Wire and fencing..... | 27,331 | 55,612 | 103.5 | 41,466 | -25.4 | 51.7 |
| Total..... | 61,694 | 132,060 | 114.1 | 162,948 | 23.4 | 164.1 |

In the agricultural group of commodities shipped to the Southwest region, farm implements and machinery showed the largest increase, with gains of 142.3 percent in year 2 and 316 percent in year 3 (as compared with year 1.) Shipments of tractors and parts increased 225.2 percent in year 3 and 97 percent in year 2.

Wire and fencing increased 103.5 percent in year 2 and 51.7 percent in year 3, while steel fence posts showed a greater decline, dropping from 302.6 percent in year 2 to 58.9 percent in year 3.

The only commodity in this group showing decreases for both years was brooders and incubators with a 60 percent decrease in year 2 and 13.8 percent decrease in year 3.

Total shipments in this group increased in year 2 by 114.1 percent and in year 3 jumped to 164.1 percent.

TABLE 13.—*Shipments in domestic and personal group, by commodities*

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|--|---|---|---|---|---|---|
| <i>Furniture</i> | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Bookcases and desks..... | 89 | | | 49 | | -44.9 |
| Cabinets and kitchen cabi- nets..... | 180 | 598 | 232.2 | 602 | 0.7 | 234.4 |
| Chairs..... | 700 | 590 | -15.7 | 815 | 38.1 | 16.4 |
| Electric lamps and fixtures..... | 818 | 729 | -10.8 | | | |
| Furniture, mixed..... | 17,440 | 20,450 | 17.3 | 21,398 | 4.6 | 22.7 |
| Radios and parts..... | 2,913 | 2,251 | -22.7 | 3,701 | 64.4 | 27.1 |
| Refrigerators..... | 13,509 | 20,467 | 51.5 | 36,833 | 80.0 | 172.7 |
| Sewing machines..... | 72 | 56 | -22.2 | 633 | 1,030.4 | 779.2 |
| Stoves and heaters..... | 11,883 | 15,576 | 31.1 | 18,665 | 19.8 | 57.1 |
| Tables..... | 300 | 283 | -5.7 | 139 | -50.9 | -53.7 |
| <i>Other household goods</i> | | | | | | |
| Bedding..... | 284 | 782 | 175.4 | 306 | -60.9 | 7.7 |
| Carpets and linoleum..... | 2,648 | 5,607 | 111.7 | 4,800 | -14.4 | 81.3 |
| Cotton piece goods and bat- ting..... | 5,121 | 3,456 | -32.5 | 3,517 | 1.8 | -31.3 |
| Dishes..... | 348 | 400 | 14.9 | 507 | 26.8 | 45.7 |
| Electrical appliances..... | 897 | 1,452 | 61.9 | 2,136 | 47.1 | 138.1 |
| Furnaces..... | 675 | 1,941 | 187.6 | 1,589 | -18.1 | 135.4 |
| Lawn mowers..... | 413 | 704 | 58.9 | 308 | -56.3 | -30.5 |
| Matches..... | 3,497 | 6,267 | 79.2 | 4,675 | -25.4 | 33.7 |
| Plumbers' ware, tubs, etc..... | 6,689 | 8,426 | 26.0 | 11,863 | 40.8 | 77.4 |
| Shoe polish..... | 79 | 109 | 38.0 | 169 | 55.0 | 113.9 |
| Woolens..... | 156 | 409 | 162.2 | 391 | -4.4 | 150.6 |
| Clothing..... | 222 | 143 | -35.7 | 319 | 123.1 | 43.7 |
| <i>Prepared foods</i> | | | | | | |
| Cereals..... | 28,752 | 41,284 | 6.5 | 43,549 | 5.5 | 12.4 |
| Cereal beverages..... | 6,814 | 9,067 | 33.1 | 617 | -93.2 | 90.9 |
| Confectionery..... | 19,208 | 14,911 | -22.4 | 21,847 | 46.5 | 13.7 |
| Gelatin..... | | 57 | | 90 | 57.9 | |
| Sauces and extracts..... | 4,304 | 4,184 | -2.8 | 4,439 | 6.1 | 3.1 |
| Spaghetti..... | | 105 | | 268 | 155.2 | |
| Tapioca..... | 124 | 144 | 16.1 | 55 | -61.8 | -55.6 |
| <i>Beverages</i> | | | | | | |
| Beer..... | 29,813 | 96,253 | 222.9 | 116,019 | 20.5 | 289.2 |
| Fruit and vegetable juices..... | 1,079 | 1,689 | 56.5 | 1,942 | 15.0 | 80.0 |
| Ginger ale and other bever- ages..... | 7,510 | 8,907 | 18.6 | 6,693 | -24.9 | -10.9 |
| Liquor..... | 1,730 | 14,265 | 724.6 | 26,421 | 85.2 | 1,427.2 |
| <i>Sporting Goods</i> | | | | | | |
| Arms and ammunition..... | 2,290 | 3,942 | 72.1 | 2,317 | -41.2 | 1.2 |
| Targets..... | 265 | 189 | -28.7 | 246 | 30.2 | -7.2 |
| <i>Miscellaneous</i> | | | | | | |
| Toilet preparations..... | 1,479 | 1,657 | 12.0 | 853 | -47.9 | -41.6 |
| Toys..... | 1,052 | 507 | -51.8 | 1,256 | 147.7 | 19.4 |
| Undertakers' supplies..... | 99 | 67 | -32.3 | 137 | 104.5 | 38.4 |
| Total..... | 183,482 | 287,924 | 56.9 | 340,174 | 18.1 | 85.4 |

Among those commodities in the domestic and personal group shipped to the southwest region, refrigerators increased from a 51.5 percent gain in year 2 to a 172.7 percent gain in year 3. Electrical

appliances showed increases over year 1 of 61.9 percent in year 2 and 138.1 percent in year 3.

Liquor shipments in year 2 showed a gain of 724.6 percent and in year 3 of 1,427.2 percent.

General decreases in this group were shown by tables, cotton piece goods and batting, and targets. For the group as a whole, the increase was 56.9 percent in year 2 and 85.4 percent in year 3.

TABLE 14.—*Shipments in industrial and commercial group, by commodities*

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|---|---|---|---|---|---|---|
| | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Steel and iron products..... | 368, 553 | 596, 664 | 61.9 | 615, 687 | 3.2 | 67.1 |
| <i>Industrial machinery and equipment</i> | | | | | | |
| Air filters and blowers..... | 102 | 677 | 563.7 | 1, 472 | 117.4 | 1, 343.1 |
| Boilers, tubes, and parts..... | 6, 764 | 9, 048 | 33.8 | 6, 534 | -27.8 | -3.4 |
| Cables..... | 1, 772 | 1, 637 | -7.6 | 3, 922 | 139.6 | 121.3 |
| Cotton gins and parts..... | | 20 | | 28 | 40.0 | |
| Elevators..... | 303 | 424 | 40.0 | 122 | -71.2 | -59.7 |
| Engines (gas, steam, etc.)..... | 46, 613 | 75, 271 | 61.5 | 63, 897 | -15.1 | 37.1 |
| Machinery: | | | | | | |
| Commercial and indus- trial..... | 25, 833 | 36, 227 | 40.2 | 31, 799 | -12.2 | 23.1 |
| Electrical..... | 8, 871 | 9, 016 | 1.6 | 7, 959 | -11.7 | -10.3 |
| Refrigeration..... | 5, 169 | 6, 753 | 30.6 | 5, 963 | -11.7 | 15.4 |
| Road..... | 3, 038 | 3, 234 | 6.5 | 9, 215 | 184.9 | 203.3 |
| Machinery parts..... | 6, 646 | 5, 064 | -23.8 | 5, 061 | -1 | -23.8 |
| Scales and parts..... | 50 | 108 | 116.0 | 550 | 409.3 | 1, 000.0 |
| Tools and equipment..... | 1, 569 | 2, 294 | 46.2 | 10, 336 | 350.6 | 558.8 |
| <i>Commercial equipment</i> | | | | | | |
| Baskets, canvas..... | 10 | | | 42 | | 320.0 |
| Fire apparatus..... | 130 | 186 | 43.1 | 169 | -9.1 | 30.0 |
| Furniture, metal..... | 1, 130 | 1, 458 | 29.0 | 2, 815 | 93.1 | 149.1 |
| Stokers, mechanical..... | 494 | 800 | 61.9 | 80 | -90.0 | -83.8 |
| Store fixtures..... | 343 | 192 | -44.0 | 192 | | -44.0 |
| Switchboards..... | 665 | 171 | -74.3 | 272 | 59.1 | -59.1 |
| Theater chairs..... | 208 | 296 | 41.8 | 400 | 35.6 | 92.3 |
| <i>Industrial material and supplies</i> | | | | | | |
| Abrasives..... | 75 | 588 | 684.0 | 13 | -97.8 | -82.7 |
| Animal hair..... | 27 | 18 | -33.3 | 45 | 150.0 | 66.7 |
| Burlap and bagging..... | 7, 044 | 6, 084 | -13.6 | 3, 577 | -41.2 | -49.2 |
| Bottle caps..... | 1, 483 | 2, 592 | 74.8 | 1, 160 | -55.2 | -21.8 |
| Cloth..... | 394 | 1, 067 | 170.8 | 740 | -30.7 | 87.8 |
| Clothing loops..... | 825 | 420 | -49.1 | | | |
| Cork..... | 463 | 617 | 33.0 | 1, 131 | 83.3 | 144.3 |
| Cotton..... | 25 | 40 | 60.0 | 89 | 122.5 | 266.0 |
| Cotton factory supplies..... | 767 | 1, 285 | 67.5 | 71 | -94.5 | -90.7 |
| Felt and carpeting..... | 1, 420 | 2, 651 | 86.7 | 3, 221 | 21.5 | 126.8 |
| Glue and sizing..... | 210 | 332 | 58.1 | 991 | 198.5 | 371.9 |
| Hides and pelts..... | 91 | | | | | |
| Malt and malt sirup..... | 9, 630 | 11, 157 | 15.9 | 10, 516 | -5.7 | 9.2 |
| Oils: | | | | | | |
| Fish and animal..... | 1, 212 | 1, 309 | 8.0 | 2, 347 | 79.3 | 93.6 |
| Vegetable..... | 4, 985 | 4, 607 | -7.6 | 6, 150 | 33.5 | 23.4 |
| Ore..... | 1, 525 | 4, 401 | 188.6 | 9, 936 | 125.8 | 551.5 |
| Sponges..... | 105 | 92 | -12.4 | | | |
| Tallow..... | 390 | 103 | -73.6 | 42 | -59.2 | -89.2 |
| Tanners' extracts and oils..... | 294 | 150 | -49.0 | 104 | -30.7 | -64.6 |
| Tobacco..... | 6, 873 | 4, 137 | -39.8 | 5, 000 | 20.9 | -27.3 |
| Waste, sweeping, etc..... | 494 | 356 | -27.9 | 732 | 105.6 | 48.2 |
| Yarn..... | 685 | 713 | 4.1 | 307 | -56.9 | -55.2 |

TABLE 14.—*Shipments in industrial and commercial group, by commodities—Con.*

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|---|---|---|---|---|---|---|
| <i>Building and construction material</i> | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Asbestos products..... | 3, 472 | 5, 111 | 47. 2 | 5, 612 | 9. 8 | 61. 6 |
| Asphalt products..... | 67, 844 | 63, 645 | -6. 2 | 60, 570 | -4. 8 | -10. 7 |
| Bricks..... | 14, 041 | 18, 368 | 30. 8 | 14, 991 | -18. 4 | 6. 8 |
| Building material..... | 15, 941 | 15, 081 | -5. 4 | 16, 173 | 7. 2 | 1. 5 |
| Cement and concrete products..... | 51, 889 | 8, 956 | -82. 7 | 12, 370 | 38. 1 | -76. 2 |
| Coal tar, pitch and products..... | 2, 211 | 2, 421 | 9. 5 | 4, 844 | 100. 1 | 119. 1 |
| Insulation..... | 3, 125 | 3, 835 | 22. 7 | 3, 921 | 2. 2 | 25. 5 |
| Lumber and products..... | 22, 275 | 20, 258 | -9. 0 | 13, 158 | -35. 0 | -40. 9 |
| Sand..... | 14, 760 | 16, 507 | 11. 8 | 15, 900 | -3. 7 | 7. 7 |
| Shingles..... | 1, 132 | 965 | -14. 8 | 1, 281 | 32. 7 | 13. 2 |
| Stone and products..... | 32, 215 | 28, 202 | -12. 5 | 20, 458 | -27. 5 | -36. 5 |
| <i>Nonferrous metals and products</i> | | | | | | |
| Aluminum and products..... | 2, 352 | 2, 090 | -11. 1 | 1, 871 | -10. 5 | -20. 5 |
| Copper and brass products..... | 3, 869 | 6, 133 | 58. 5 | 9, 126 | 48. 8 | 135. 9 |
| Lead and products..... | 1, 217 | 1, 704 | 40. 0 | 7, 132 | 318. 5 | 486. 0 |
| Zinc and products..... | 6, 377 | 2, 804 | -56. 0 | 2, 869 | 2. 3 | -55. 0 |
| Total..... | 760, 000 | 988, 338 | 30. 0 | 1, 002, 963 | 1. 5 | 32. 0 |

Total shipments in the industrial and commercial group to the southwest region increased 30 percent in year 2 and 32 percent in year 3, with steel and iron showing the greatest number of shipments. The increase of shipments of this commodity was 61.9 percent in year 2 and 67.1 percent in year 3. Road machinery jumped from a 6.5 percent gain in year 2 to an increase of 203.3 percent in year 3. On the other hand, machinery parts showed a 23.8 percent decrease in each year. Tools and equipment, however, made a 46.2 percent increase in year 2 and a 558.8 percent gain in year 3.

Asbestos products showed increases of 47.2 percent in year 2 and 61.6 percent in year 3 and shipments of insulation and brass products showed gains of 58.5 percent in year 2 and 135.9 percent in year 3.

Commodities showing decreases in both years were machinery parts, switchboards, store fixtures, burlap and bagging, tallow, tanners' extracts and oils, tobacco, asphalt and products, cement and concrete products, lumber and products, stone and products, aluminum and products, and zinc and products.

TABLE 15.—Shipments in general group, by commodities

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|---|---|---|---|---|---|---|
| <i>General</i> | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Airplanes and parts..... | 131 | 280 | 113.7 | 29 | -92.9 | -84.7 |
| Alcohol and antifreeze..... | 2,913 | 7,569 | 159.8 | 5,955 | -21.3 | 104.4 |
| Automobiles..... | 76,356 | 139,005 | 82.0 | 169,761 | 22.1 | 122.3 |
| Automobile parts and acces- sories..... | 318,897 | 452,215 | 41.8 | 670,643 | 48.3 | 110.3 |
| Batteries..... | 16,919 | 23,622 | 39.6 | 20,808 | -11.9 | 23.0 |
| Bicycles, motorcycles, and velocipedes..... | 432 | 185 | -57.2 | 359 | 94.1 | -16.9 |
| Gasoline, oil, and petroleum products..... | 267,158 | 322,918 | 20.9 | 304,633 | -5.7 | 14.0 |
| Trucks..... | 6,243 | 11,847 | 89.8 | 8,324 | -29.7 | 33.3 |
| Fuel Coke..... | 3,808 | 9,114 | 139.3 | 47,225 | 418.2 | 1,140.2 |
| <i>Paper and printed matter</i> | | | | | | |
| Magazines, books, and other advertising materials..... | 35,124 | 37,812 | 7.7 | 39,416 | 4.2 | 12.2 |
| Paper and products..... | 119,260 | 142,159 | 19.2 | 129,505 | -8.9 | 8.6 |
| <i>School, church, and hospital goods</i> | | | | | | |
| Hospital supplies..... | 233 | 15 | -93.6 | | | |
| Organs and equipment..... | 14 | | | 31 | | 121.4 |
| School furniture and supplies..... | 591 | 717 | 21.3 | 371 | -48.3 | 37.2 |
| <i>General utility supplies and equipment</i> | | | | | | |
| Clay products..... | 13,619 | 12,988 | -4.6 | 21,421 | 64.9 | 57.3 |
| Drugs and chemicals..... | 247,061 | 335,186 | 35.7 | 218,441 | -34.8 | -11.6 |
| Explosives..... | 3,071 | 2,594 | -15.5 | 1,892 | -27.1 | -38.4 |
| Glass and glassware..... | 46,489 | 49,541 | 6.6 | 47,859 | -3.4 | 2.9 |
| Ink..... | 784 | 526 | -32.9 | 659 | 25.3 | -15.9 |
| Leather and leather goods..... | 3,092 | 2,745 | -11.2 | 2,568 | -6.4 | -16.9 |
| Millwork and cooperage..... | 5,473 | 9,304 | 70.0 | 9,359 | .6 | 71.0 |
| Nails..... | 9,038 | 15,585 | 72.4 | 8,129 | -47.8 | -10.1 |
| Paints and varnishes..... | 15,218 | 20,984 | 37.9 | 26,009 | 23.9 | 70.9 |
| Rubber and products..... | 1,625 | 2,779 | 71.0 | 4,468 | 60.8 | 175.0 |
| Soap..... | 15,406 | 17,225 | 11.8 | 21,018 | 22.0 | 36.4 |
| Tin and products..... | 174,677 | 259,164 | 48.4 | 182,078 | -29.7 | 4.2 |
| Twine and rope..... | 3,987 | 1,443 | -63.8 | 3,877 | 168.7 | -2.8 |
| Total..... | 1,387,619 | 1,877,522 | 35.3 | 1,944,829 | 3.6 | 40.2 |

In the General group there were gains of 40.2 percent in year 3 and 35.3 percent in year 2. Shipments of automobile parts and accessories increased 41.8 percent in the second year and more than doubled the first year's shipments in year 3 with an increase of 110.3 percent. Automobiles increased 82 percent in year 2 and 122.3 percent in year 3.

Rubber and products gained 71 percent and 175 percent in years 2 and 3. Paints and varnishes increased 70.9 percent in the third year, while the year 2 increase was 37.9 percent.

Commodities showing decreases in both years were bicycles, motorcycles, and velocipedes, hospital supplies, leather and leather goods, twine and rope, ink, and explosives.

NORTHWEST REGION

TABLE 16.—*Total shipments by groups of commodities*

| Group | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|--------------------------------|---|---|---|---|---|---|
| | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Agricultural..... | 129,094 | 284,290 | 120.2 | 356,378 | 25.4 | 176.1 |
| Domestic and personal..... | 337,076 | 534,096 | 58.4 | 644,457 | 20.7 | 91.2 |
| Industrial and commercial..... | 1,191,391 | 1,728,865 | 45.1 | 1,752,226 | 1.4 | 47.1 |
| General..... | 2,189,546 | 2,818,346 | 28.7 | 2,996,680 | 6.3 | 36.9 |
| Total..... | 3,847,103 | 5,365,597 | 39.5 | 5,749,741 | 7.2 | 49.5 |

Total weight of commodities shipped into the northwest region from the industrial States gained 39.5 percent in year 2 and 49.5 percent in year 3 over the year 1 level. The group showing the greatest increase in year 3 was the agricultural group with 176.1 percent. Following in their order were the domestic and personal group, 91.2 percent; industrial and commercial group, 47.5 percent; and the general group, 36.9 percent.

Railroads delivering commodities into this region were: The Chicago, Burlington & Quincy; the Chicago & North Western; the Chicago, Milwaukee, St. Paul & Pacific; the Chicago, Rock Island & Pacific; the Great Northern; the Northern Pacific; and the Union Pacific.

TABLE 17.—*Shipments in agricultural group, by commodities*

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|------------------------------------|---|---|---|---|---|---|
| | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Farm implements and machinery..... | 46,407 | 120,519 | 159.7 | 172,564 | 43.2 | 271.8 |
| Tractors and parts..... | 14,766 | 38,528 | 160.9 | 80,886 | 110.0 | 447.8 |
| Other farm production goods: | | | | | | |
| Beehives..... | 179 | 189 | 5.6 | 161 | -14.8 | -10.1 |
| Brooders and incubators..... | 320 | 475 | 48.4 | 563 | 18.5 | 75.9 |
| Harness and saddlery..... | 899 | 1,484 | 65.1 | 622 | -58.1 | -31.0 |
| Steel fence posts..... | 3,129 | 7,294 | 133.1 | 9,083 | 24.5 | 190.3 |
| Wagons and wheels..... | 1,390 | 3,054 | 119.7 | 2,032 | -33.5 | 46.2 |
| Wire and fencing..... | 62,004 | 112,747 | 81.8 | 90,467 | -19.8 | 45.9 |
| Total..... | 129,094 | 284,290 | 120.2 | 356,378 | 25.4 | 176.1 |

In the group of commodities used chiefly in farm production, shipments to the Northwest region of tractors and parts increased 160.9 percent in year 2 and 447.8 percent in year 3. Shipments of farm implements and machinery jumped from a 159.7 percent increase in year 2 to a 271.8 percent increase in year 3. Steel fence posts increased 133.1 percent in year 2 over year 1 and 190.3 percent in year 3 over year 1, while wire and fencing showed an 81.8 percent increase in year 2 and dropped to a 45.9 percent increase in year 3.

The whole group, comprising all the commodities, increased 120.2 percent in year 2 and 176.1 percent in year 3.

TABLE 18.—*Shipments in domestic and personal group, by commodities*

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|---|---|---|---|---|---|---|
| <i>Furniture</i> | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Bookcases and desks..... | 108 | 48 | -55.6 | | | |
| Cabinets and kitchen cabi- nets..... | 1,018 | 2,471 | 142.7 | 1,709 | -30.8 | 67.9 |
| Chairs..... | 1,003 | 1,707 | 70.2 | 1,996 | 16.9 | 99.0 |
| Electric lamps and fixtures..... | 192 | 169 | -12.0 | 239 | 41.4 | 24.5 |
| Furniture, mixed..... | 36,634 | 42,316 | 15.5 | 43,865 | 3.7 | 19.7 |
| Radios and parts..... | 3,022 | 3,520 | 16.5 | 4,362 | 23.9 | 44.3 |
| Refrigerators..... | 8,710 | 17,005 | 95.2 | 31,133 | 83.1 | 257.4 |
| Sewing machines..... | 47 | 246 | 423.4 | 486 | 97.6 | 934.0 |
| Stoves and heaters..... | 15,400 | 28,497 | 85.0 | 34,387 | 20.7 | 123.3 |
| Tables..... | 208 | 154 | -26.0 | 208 | 35.1 | |
| <i>Other household goods</i> | | | | | | |
| Bedding..... | 560 | 762 | 36.1 | 1,817 | 138.5 | 224.5 |
| Carpets and linoleum..... | 11,477 | 14,745 | 28.5 | 13,885 | -5.8 | 21.0 |
| Cotton piece goods and bat- ting..... | 2,721 | 3,475 | 27.7 | 5,981 | 72.1 | 119.8 |
| Dishes..... | 545 | 1,523 | 179.4 | 367 | -75.9 | -32.7 |
| Electrical appliances..... | 2,066 | 1,677 | -18.8 | 2,907 | 73.3 | 40.7 |
| Furnaces..... | 5,675 | 7,199 | 26.9 | 8,947 | 24.3 | 57.7 |
| Lawn mowers..... | 994 | 1,264 | 27.2 | 667 | -47.2 | -32.9 |
| Matches..... | 7,590 | 12,945 | 70.6 | 12,103 | -6.5 | 59.5 |
| Plumbers' fixtures and fit- tings..... | 8,206 | 9,799 | 19.4 | 15,307 | 56.2 | 86.5 |
| Shoe polish..... | 544 | 780 | 43.4 | 1,048 | 34.4 | 92.6 |
| Woolens..... | 868 | 518 | -40.3 | 537 | 3.7 | -38.1 |
| Clothing..... | 589 | 392 | -33.5 | 604 | 54.1 | 2.5 |
| <i>Prepared foods</i> | | | | | | |
| Cereals..... | 45,800 | 51,142 | 11.7 | 60,251 | 17.8 | 31.6 |
| Cereal beverages..... | 15,323 | 2,573 | -83.2 | 3,211 | 24.8 | -79.1 |
| Confectionery..... | 30,323 | 31,558 | 4.1 | 40,811 | 29.3 | 34.6 |
| Gelatin..... | 96 | 98 | 2.1 | 171 | 74.5 | 78.1 |
| Sauces and extracts..... | 8,273 | 7,716 | -6.7 | 10,052 | 30.3 | 21.5 |
| Spaghetti..... | 511 | 808 | 56.7 | 826 | 2.2 | 61.6 |
| Tapioca..... | 290 | 110 | -62.1 | 109 | -9.9 | -62.4 |
| <i>Beverages</i> | | | | | | |
| Beer..... | 100,350 | 237,578 | 136.7 | 273,424 | 15.1 | 172.5 |
| Fruit and vegetable juices..... | 782 | 1,952 | 149.6 | 2,655 | 36.0 | 239.5 |
| Ginger ale and other bever- ages..... | 18,718 | 16,994 | -9.2 | 16,144 | -5.0 | -13.8 |
| Liquor..... | 722 | 19,039 | 2,537.0 | 42,662 | 124.1 | 5,808.9 |
| <i>Sporting goods</i> | | | | | | |
| Arms and ammunition..... | 3,130 | 7,594 | 142.6 | 5,780 | -23.9 | 84.7 |
| Targets..... | 351 | 582 | 65.8 | 841 | 44.5 | 139.6 |
| <i>Miscellaneous</i> | | | | | | |
| Toilet preparations..... | 1,005 | 1,628 | 62.0 | 1,133 | -30.4 | 12.7 |
| Toys..... | 2,255 | 2,408 | 6.8 | 2,089 | -13.3 | -7.4 |
| Undertakers' supplies..... | 970 | 1,104 | 13.8 | 1,743 | 57.9 | 79.7 |
| Total..... | 337,076 | 534,096 | 58.4 | 644,457 | 20.7 | 91.2 |

Commodities in the domestic and personal group shipped to the northwest region showed a 58.4-percent increase in year 2 and a 91.2-percent increase in year 3.

Refrigerators increased 95.2 percent in year 1 and 257.4 percent in year 3. Stoves and heaters increased 85 percent in year 2 and 123.3 percent in year 3. Plumbing fixtures and fittings gained only 19.4 percent in year 2 but jumped to an 86.5-percent increase in year 3. Fruit and vegetable juices showed advances of 149.6 percent in year 2 and 239.5 percent in year 3. Commodities showing decreases in this group in both years 2 and 3 were woolens, cereal beverages, tapioca, and ginger ale.

TABLE 19.—Shipments in industrial and commercial group, by commodities

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|--|---|---|---|---|---|---|
| | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Steel and iron products..... | 463, 175 | 850, 350 | 83. 6 | 844, 991 | -0. 6 | 82. 4 |
| <i>Industrial machinery and equipment</i> | | | | | | |
| Air filters and blowers..... | 161 | 607 | 277. 0 | 618 | 1. 8 | 283. 9 |
| Boilers, tubes and parts..... | 10, 304 | 12, 923 | 25. 4 | 11, 211 | -13. 3 | 8. 8 |
| Cables..... | 1, 953 | 4, 446 | 127. 6 | 5, 656 | 27. 2 | 189. 6 |
| Cotton-gin parts..... | 90 | 44 | -51. 1 | 150 | 241. 0 | 66. 7 |
| Elevators..... | 281 | 309 | 10. 0 | 186 | -39. 8 | -33. 8 |
| Engines (gas, steam, etc.)..... | 6, 062 | 14, 417 | 137. 8 | 19, 117 | 32. 6 | 215. 4 |
| Machinery: | | | | | | |
| Commercial and indus- dustrial..... | 38, 665 | 63, 209 | 63. 5 | 56, 600 | -10. 5 | 46. 4 |
| Electrical..... | 9, 734 | 19, 841 | 103. 8 | 23, 497 | 18. 4 | 141. 4 |
| Refrigeration..... | 6, 951 | 16, 911 | 143. 3 | 11, 407 | -32. 6 | 64. 1 |
| Road..... | 7, 602 | 13, 864 | 82. 4 | 17, 736 | 27. 9 | 133. 3 |
| Machinery parts..... | 6, 295 | 10, 235 | 62. 6 | 10, 205 | - 3 | 62. 1 |
| Scales and parts..... | 208 | 503 | 141. 8 | 1, 316 | 161. 6 | 532. 7 |
| Tools and equipment..... | 3, 430 | 5, 336 | 55. 6 | 6, 706 | 25. 7 | 95. 5 |
| <i>Commercial equipment</i> | | | | | | |
| Baskets, canvas..... | | 65 | | | | |
| Fire apparatus..... | 68 | 77 | 13. 2 | 83 | 7. 8 | 22. 1 |
| Furniture, metal..... | 2, 411 | 3, 129 | 29. 8 | 2, 806 | -10. 3 | 16. 4 |
| Stokers, mechanical..... | 558 | 433 | -22. 4 | 721 | 66. 5 | 29. 2 |
| Store fixtures..... | 425 | 536 | 26. 1 | 466 | -13. 1 | 9. 6 |
| Switchboards..... | 1, 280 | 353 | -72. 4 | 633 | 79. 3 | -50. 6 |
| Theater chairs..... | 349 | 272 | -22. 1 | 189 | -30. 5 | -45. 9 |
| <i>Industrial materials and supplies</i> | | | | | | |
| Abrasives..... | 153 | 202 | 32. 0 | 955 | 372. 8 | 524. 2 |
| Animal hair..... | 32 | 79 | 146. 9 | 104 | 31. 6 | 225. 0 |
| Bagging and burlap..... | 9, 084 | 9, 036 | - 5 | 7, 226 | -20. 0 | -20. 5 |
| Bottle caps..... | 1, 043 | 975 | -6. 5 | 950 | -2. 6 | -8. 9 |
| Cloth..... | 3, 565 | 3, 754 | 5. 3 | 3, 737 | - 5 | 4. 8 |
| Clothing loops..... | 142 | 243 | 71. 1 | 133 | -45. 3 | -6. 3 |
| Cork..... | 1, 393 | 2, 415 | 73. 4 | 2, 652 | 9. 8 | 90. 4 |
| Cotton..... | 708 | 68 | -90. 4 | 383 | 463. 2 | -45. 9 |
| Cotton-factory supplies..... | 11 | 20 | 81. 8 | 62 | 210. 0 | 463. 6 |
| Felt and carpeting..... | 4, 715 | 6, 470 | 37. 2 | 7, 620 | 17. 8 | 61. 6 |
| Glue and sizing..... | 1, 895 | 3, 552 | 87. 4 | 1, 979 | -44. 3 | 4. 4 |
| Hides and pelts..... | 849 | 569 | -33. 0 | 578 | 1. 6 | -31. 9 |
| Malt and malt syrup..... | 10, 781 | 22, 578 | 109. 4 | 22, 953 | 1. 7 | 112. 9 |
| Oils: | | | | | | |
| Fish and animal..... | 1, 720 | 690 | -59. 9 | 3, 062 | 343. 8 | 78. 0 |
| Vegetable..... | 11, 199 | 11, 477 | 2. 5 | 16, 322 | 42. 2 | 45. 7 |
| Ore..... | 362 | 173 | -52. 2 | 501 | 189. 6 | 38. 4 |
| Sponges..... | 18 | 53 | 194. 4 | 71 | 34. 0 | 294. 4 |
| Tallow..... | 1, 417 | 2, 192 | 54. 7 | 1, 217 | -44. 5 | -14. 1 |
| Tanners' extracts and oils..... | 62 | 335 | 440. 3 | 785 | 134. 3 | 1, 166. 1 |
| Tobacco..... | 187 | 397 | 112. 3 | 1, 505 | 279. 1 | 704. 8 |
| Waste, sweepings, etc..... | 777 | 776 | - 1 | 887 | 14. 3 | 14. 2 |
| Yarn..... | 358 | 660 | 84. 4 | 478 | -27. 6 | 33. 5 |
| <i>Building and construction materials</i> | | | | | | |
| Asbestos and products..... | 10, 460 | 12, 209 | 16. 7 | 14, 814 | 21. 3 | 41. 6 |
| Asphalt and products..... | 157, 715 | 145, 650 | -7. 7 | 170, 511 | 17. 1 | 8. 1 |
| Bricks..... | 43, 450 | 46, 633 | 7. 3 | 46, 187 | -1. 0 | 6. 3 |
| Building material..... | 18, 464 | 16, 854 | -8. 7 | 18, 607 | 10. 4 | . 8 |
| Cement and concrete products..... | 78, 467 | 115, 151 | 46. 8 | 85, 371 | -25. 9 | 8. 8 |
| Coal tar, tar products, and pitch..... | 15, 215 | 18, 076 | 18. 8 | 26, 609 | 47. 2 | 74. 9 |
| Insulation..... | 4, 738 | 5, 156 | 8. 8 | 8, 006 | 55. 3 | 69. 0 |
| Lumber and products..... | 76, 875 | 114, 599 | 49. 1 | 120, 444 | 5. 1 | 56. 7 |
| Sand..... | 96, 725 | 89, 061 | -7. 9 | 87, 220 | -2. 1 | -9. 8 |
| Shingles..... | 3, 156 | 3, 892 | 23. 3 | 3, 755 | -3. 5 | 19. 0 |
| Stone and products..... | 63, 214 | 51, 229 | -19. 0 | 58, 556 | 14. 3 | -7. 4 |
| <i>Nonferrous metals and products</i> | | | | | | |
| Aluminum and products..... | 1, 957 | 7, 697 | 293. 3 | 5, 680 | -26. 2 | 190. 2 |
| Copper and brass products..... | 7, 974 | 11, 448 | 43. 6 | 14, 717 | 28. 6 | 84. 6 |
| Lead and products..... | 2, 410 | 3, 099 | 28. 6 | 2, 901 | -6. 4 | 20. 4 |
| Zinc and products..... | 98 | 3, 537 | 3, 509. 2 | 394 | -88. 9 | 302. 0 |
| Total..... | 1, 191, 391 | 1, 728, 865 | 45. 1 | 1, 752, 226 | 1. 4 | 47. 1 |

Total shipments of commodities in the industrial and commercial group increased 45.1 percent in year 2 and 47.1 per cent in year 3. Steel and iron products increased 83.6 percent in year 2 and 82.4 percent in year 3. Electrical machinery increased 103.8 percent in year 2 and 141.4 percent in year 3. Road machinery increased 82.4 percent in year 2 and 133.3 percent in year 3. Machinery parts showed increases of 62.6 percent in year 2 and 62.1 percent in year 3, over year 1 figures. Shipments of asbestos and products increased 16.7 percent in year 2 and 41.6 percent in year 3.

Commodities showing decreases in both years in this group were theater chairs, switchboards, burlap and bagging, bottle caps, cotton, hides and pelts, sand, and stone and products.

TABLE 20.—*Shipments in general group, by commodities*

| Commodity | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|---|---|---|---|---|---|---|
| <i>General</i> | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Airplanes and parts..... | 97 | 162 | 67.0 | 213 | 31.5 | 119.6 |
| Alcohol and antifreeze..... | 9,953 | 20,447 | 105.4 | 20,746 | 1.5 | 108.4 |
| Automobiles..... | 105,430 | 299,819 | 184.4 | 389,720 | 30.0 | 269.6 |
| Automobile parts and accessories..... | 94,060 | 129,284 | 37.4 | 227,348 | 75.9 | 141.7 |
| Batteries..... | 24,739 | 30,256 | 22.3 | 34,455 | 13.9 | 39.3 |
| Bicycles, motorcycles, and velocipedes..... | 225 | 1,015 | 351.1 | 1,046 | 3.1 | 364.9 |
| Gasoline, oil, and other petroleum products..... | 855,997 | 1,044,427 | 22.0 | 1,114,482 | 6.7 | 30.2 |
| Trucks..... | 5,093 | 11,465 | 125.1 | 17,761 | 54.9 | 248.7 |
| Fuel: Coke..... | 125,960 | 136,385 | 8.3 | 117,369 | -14.0 | -6.8 |
| <i>Printed matter and paper</i> | | | | | | |
| Magazines, books, and other advertising material..... | 42,491 | 48,193 | 13.4 | 51,925 | 7.7 | 22.2 |
| Paper and products..... | 312,469 | 362,923 | 16.1 | 348,664 | -3.9 | 11.6 |
| <i>School, church, and hospital goods</i> | | | | | | |
| Hospital supplies..... | 233 | 523 | 124.5 | 176 | -66.4 | -24.5 |
| Organs and equipment..... | 49 | 64 | 30.6 | 130 | 103.1 | 165.3 |
| School furniture and supplies..... | 582 | 715 | 22.9 | 805 | 12.6 | 38.3 |
| <i>General utility supplies and equipment</i> | | | | | | |
| Clay and clay products..... | 20,054 | 21,815 | 8.8 | 21,398 | -1.9 | 6.7 |
| Drugs and chemicals..... | 196,422 | 225,611 | 14.9 | 201,488 | -10.7 | 2.6 |
| Explosives..... | 4,273 | 4,418 | 3.4 | 4,395 | -.5 | 2.9 |
| Glass and glassware..... | 89,963 | 101,074 | 12.4 | 96,463 | -4.6 | 7.2 |
| Ink..... | 1,310 | 1,132 | -13.6 | 1,166 | 3.0 | -11.0 |
| Leather and leather goods..... | 2,115 | 1,899 | -10.2 | 2,313 | 21.8 | 9.4 |
| Millwork and cooperage..... | 32,500 | 41,684 | 28.3 | 33,854 | -18.8 | 4.2 |
| Nails..... | 16,368 | 26,200 | 60.1 | 19,890 | -24.1 | 21.5 |
| Paints and varnishes..... | 23,681 | 36,450 | 53.9 | 36,867 | 1.1 | 55.7 |
| Rubber and products..... | 13,458 | 19,128 | 42.1 | 9,445 | -50.6 | -29.8 |
| Soap..... | 36,298 | 45,146 | 24.4 | 46,572 | 3.2 | 28.3 |
| Tin and products..... | 145,885 | 196,432 | 34.6 | 183,358 | -6.7 | 25.7 |
| Twine and rope..... | 29,841 | 11,679 | -60.9 | 14,631 | 25.3 | -51.0 |
| Total..... | 2,189,546 | 2,818,346 | 28.7 | 2,996,680 | 6.3 | 36.9 |

In the general group automobiles jumped from 184.4 percent increase in year 2 to 269.6 percent in year 3, while automobile parts in the same years increased 37.4 percent and 141.7 percent respectively. Paints and varnishes increased 53.9 percent in year 2 and 55.7 percent in year 3. The only decreases in this group in both years were in shipments of twine and rope, and of ink.

III.—SHIPMENTS BY STATES OF ORIGIN

NOTE: Slight variations between the totals given for shipments by States of origin and the totals given for shipments by groups of commodities and by regions of destination occur because totals by groups and by regions were calculated on whole numbers and the results rounded to the nearest thousand, whereas the totals for shipments by States were calculated on individual items that were rounded in the same fashion before the additions were made.

TABLE 21.—*Total shipments to all regions*

| | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|--------------------|---|---|---|---|---|---|
| | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Connecticut..... | 20,905 | 28,593 | 36.8 | 30,124 | 5.4 | 44.1 |
| Delaware..... | 5,688 | 7,789 | 36.9 | 6,705 | -13.9 | 17.9 |
| Illinois..... | 2,883,466 | 3,604,936 | 25.0 | 3,945,278 | 9.4 | 36.8 |
| Indiana..... | 1,204,449 | 1,492,658 | 23.9 | 1,663,609 | 11.5 | 38.1 |
| Maine..... | 39,287 | 75,053 | 91.0 | 72,908 | -2.9 | 85.6 |
| Maryland..... | 168,482 | 171,299 | 1.7 | 217,677 | 27.1 | 29.2 |
| Massachusetts..... | 73,296 | 103,428 | 41.1 | 104,446 | 1.0 | 42.5 |
| Michigan..... | 1,098,952 | 1,620,922 | 47.5 | 2,117,662 | 30.6 | 92.7 |
| New Hampshire..... | 12,061 | 11,457 | -5.0 | 8,896 | -22.4 | -26.3 |
| New Jersey..... | 96,193 | 132,490 | 37.7 | 161,095 | 21.6 | 67.5 |
| New York..... | 259,602 | 377,104 | 45.3 | 406,186 | 7.7 | 56.5 |
| Ohio..... | 907,330 | 1,406,388 | 55.0 | 1,821,202 | 29.5 | 100.7 |
| Pennsylvania..... | 644,556 | 1,064,752 | 65.2 | 1,145,864 | 7.6 | 77.8 |
| Rhode Island..... | 13,143 | 13,989 | 6.4 | 9,568 | -31.6 | -27.2 |
| Vermont..... | 11,417 | 16,359 | 43.3 | 23,210 | 41.9 | 103.3 |
| Wisconsin..... | 895,127 | 1,430,065 | 59.8 | 1,607,963 | 12.4 | 79.6 |
| Total..... | 8,333,954 | 11,557,282 | 38.7 | 13,342,393 | 15.4 | 60.1 |

TABLE 22.—*Shipments to Southeast region*

| | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|--------------------|---|---|---|---|---|---|
| | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Connecticut..... | 11,840 | 14,481 | 22.3 | 14,166 | -2.2 | 19.6 |
| Delaware..... | 4,349 | 5,236 | 20.4 | 4,018 | -23.3 | -7.6 |
| Illinois..... | 465,873 | 582,197 | 25.0 | 847,651 | 45.6 | 81.9 |
| Indiana..... | 293,294 | 410,198 | 39.9 | 569,546 | 38.8 | 94.2 |
| Maine..... | 33,437 | 56,251 | 68.2 | 51,901 | -7.7 | 55.2 |
| Maryland..... | 130,804 | 134,451 | 2.8 | 180,247 | 34.1 | 37.8 |
| Massachusetts..... | 47,617 | 66,797 | 40.3 | 63,861 | -4.4 | 34.1 |
| Michigan..... | 333,548 | 485,808 | 45.6 | 648,373 | 33.5 | 94.4 |
| New Hampshire..... | 5,643 | 6,898 | 22.2 | 4,459 | -35.4 | -21.0 |
| New Jersey..... | 53,433 | 71,135 | 33.1 | 90,530 | 27.3 | 69.4 |
| New York..... | 105,689 | 159,905 | 51.3 | 198,088 | 23.9 | 87.4 |
| Ohio..... | 315,096 | 471,630 | 49.7 | 898,407 | 90.5 | 185.1 |
| Pennsylvania..... | 221,231 | 342,932 | 55.0 | 408,666 | 19.2 | 84.7 |
| Rhode Island..... | 11,197 | 11,172 | -0.2 | 6,957 | -37.7 | -37.9 |
| Vermont..... | 4,030 | 4,976 | 23.5 | 8,128 | 63.3 | 101.7 |
| Wisconsin..... | 56,977 | 81,749 | 43.5 | 146,742 | 79.5 | 157.5 |
| Total..... | 2,094,058 | 2,905,816 | 38.8 | 4,141,740 | 42.5 | 97.8 |

TABLE 23.—Shipments to Southwest region

| | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|--------------------|---|---|---|---|---|---|
| | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Connecticut..... | 1, 830 | 2, 639 | 44. 2 | 5, 400 | 104. 6 | 195. 1 |
| Delaware..... | 277 | 931 | 236. 1 | 856 | -8. 1 | 209. 0 |
| Illinois..... | 966, 599 | 1, 066, 227 | 10. 3 | 1, 049, 594 | -1. 6 | 8. 6 |
| Indiana..... | 184, 552 | 268, 371 | 45. 4 | 323, 058 | 20. 4 | 75. 0 |
| Maine..... | 981 | 2, 448 | 149. 5 | 2, 375 | -3. 0 | 142. 1 |
| Maryland..... | 31, 284 | 23, 540 | 24. 8 | 22, 619 | -3. 9 | -27. 8 |
| Massachusetts..... | 8, 164 | 11, 381 | 39. 4 | 12, 268 | 7. 8 | 50. 3 |
| Michigan..... | 450, 366 | 652, 580 | 44. 9 | 858, 899 | 31. 6 | 90. 7 |
| New Hampshire..... | 1, 775 | 1, 917 | 8. 0 | 2, 034 | 6. 1 | 14. 6 |
| New Jersey..... | 19, 218 | 27, 181 | 41. 4 | 29, 732 | 9. 4 | 54. 7 |
| New York..... | 61, 235 | 83, 439 | 36. 3 | 76, 637 | -8. 2 | 25. 2 |
| Ohio..... | 321, 286 | 509, 452 | 58. 6 | 487, 273 | -4. 4 | 51. 7 |
| Pennsylvania..... | 196, 771 | 375, 193 | 90. 6 | 358, 645 | -4. 4 | 82. 2 |
| Rhode Island..... | 735 | 809 | 10. 1 | 309 | -61. 8 | -58. 0 |
| Vermont..... | 1, 605 | 3, 039 | 89. 3 | 2, 669 | -12. 2 | 66. 3 |
| Wisconsin..... | 146, 111 | 256, 712 | 75. 7 | 218, 544 | -14. 8 | 49. 6 |
| Total..... | 2, 392, 789 | 3, 285, 859 | 37. 3 | 3, 450, 912 | 5. 0 | 44. 2 |

TABLE 24.—Shipments to Northwest region

| | Year 1 (July 1, 1932, to June 30, 1933) | Year 2 (July 1, 1933, to June 30, 1934) | Percent- age of increase, year 2 over year 1 | Year 3 (July 1, 1934, to June 30, 1935) | Percent- age of increase, year 3 over year 2 | Percent- age of increase, year 3 over year 1 |
|--------------------|---|---|---|---|---|---|
| | <i>Thousand pounds</i> | <i>Thousand pounds</i> | | <i>Thousand pounds</i> | | |
| Connecticut..... | 7, 235 | 11, 473 | 58. 6 | 10, 558 | -8. 0 | 45. 9 |
| Delaware..... | 1, 062 | 1, 622 | 52. 7 | 1, 831 | 12. 9 | 72. 4 |
| Illinois..... | 1, 450, 994 | 1, 956, 512 | 34. 8 | 2, 048, 033 | 4. 7 | 41. 1 |
| Indiana..... | 726, 603 | 814, 089 | 12. 0 | 771, 005 | -5. 3 | 6. 1 |
| Maine..... | 4, 869 | 16, 354 | 235. 9 | 18, 632 | 13. 9 | 282. 7 |
| Maryland..... | 6, 394 | 13, 308 | 108. 1 | 14, 811 | 11. 3 | 131. 6 |
| Massachusetts..... | 17, 515 | 25, 250 | 44. 2 | 28, 317 | 12. 1 | 61. 7 |
| Michigan..... | 315, 038 | 482, 534 | 53. 2 | 610, 390 | 26. 5 | 93. 8 |
| New Hampshire..... | 4, 643 | 2, 642 | -43. 1 | 2, 403 | -9. 0 | -48. 2 |
| New Jersey..... | 23, 542 | 34, 174 | 45. 2 | 40, 833 | 19. 5 | 73. 4 |
| New York..... | 92, 678 | 133, 760 | 44. 3 | 131, 461 | -1. 7 | 41. 8 |
| Ohio..... | 270, 948 | 425, 306 | 57. 0 | 435, 522 | 2. 4 | 60. 7 |
| Pennsylvania..... | 226, 554 | 346, 627 | 53. 0 | 378, 553 | 9. 2 | 67. 1 |
| Rhode Island..... | 1, 211 | 2, 008 | 65. 8 | 2, 302 | 14. 6 | 90. 1 |
| Vermont..... | 5, 782 | 8, 344 | 44. 3 | 12, 413 | 48. 8 | 114. 7 |
| Wisconsin..... | 692, 039 | 1, 091, 604 | 57. 7 | 1, 242, 677 | 13. 8 | 79. 6 |
| Total..... | 3, 847, 107 | 5, 365, 607 | 39. 5 | 5, 749, 741 | 7. 2 | 49. 5 |